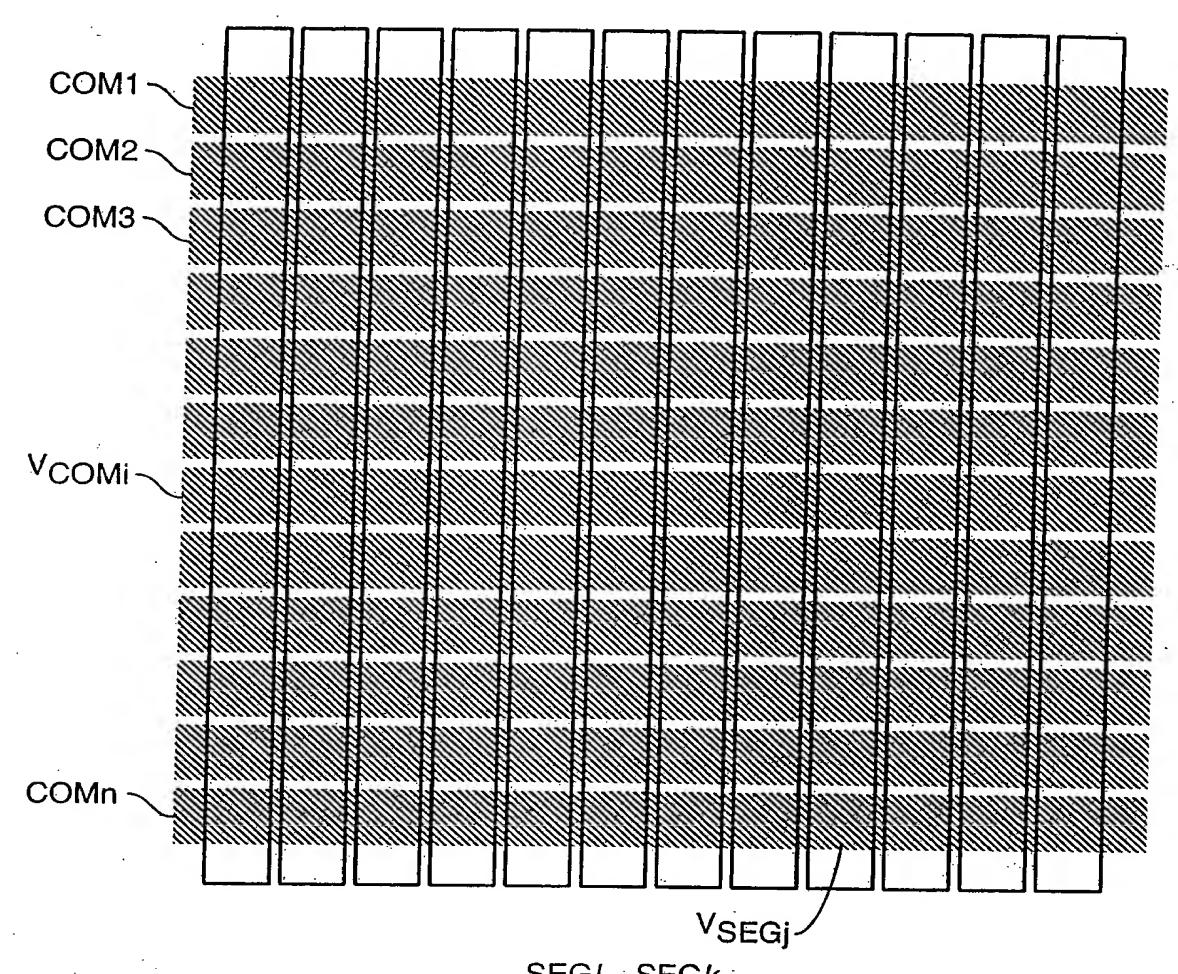
Appln. No. 09/842,988 Filing Date: April 26, 2001
Title: LED Driving System with Low Power Requirements
Inventors: Jemm Y. Liang et al.
Atty Docket: UTCI.003US1 REPLACEMENT SHEET 1 OF 12

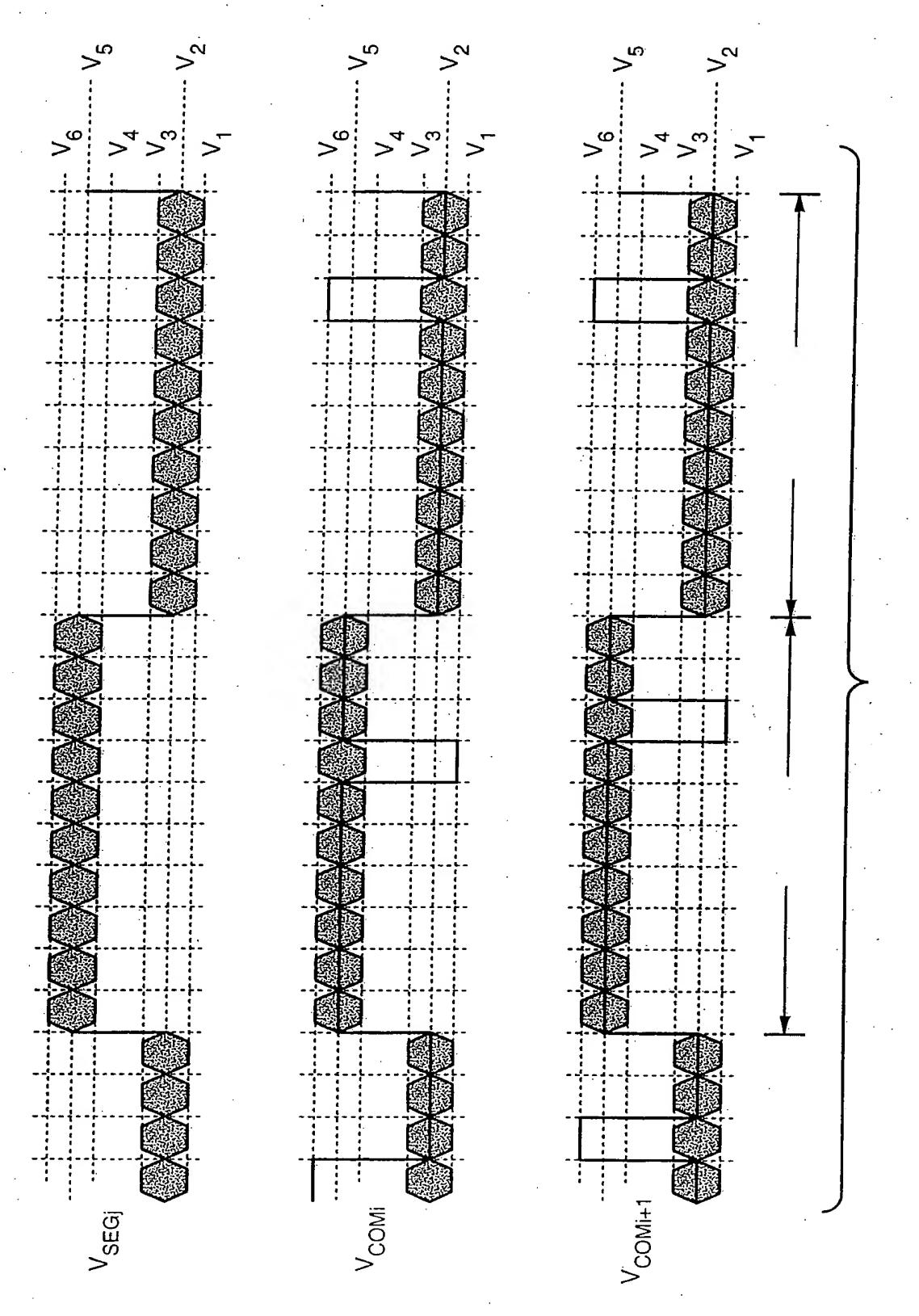


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**FIG.** 1

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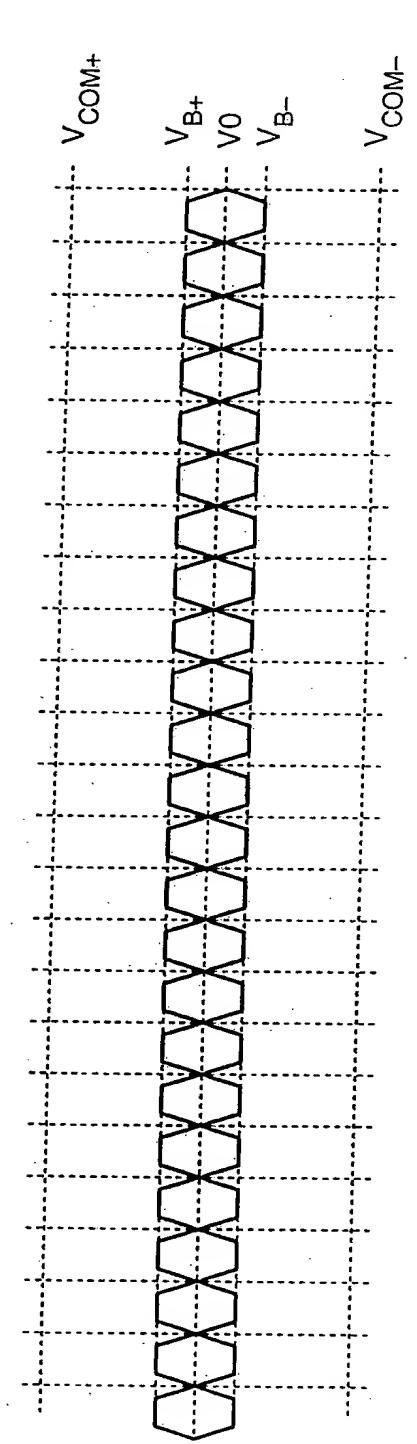
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Inventors: Jemm Y. Liang et al.

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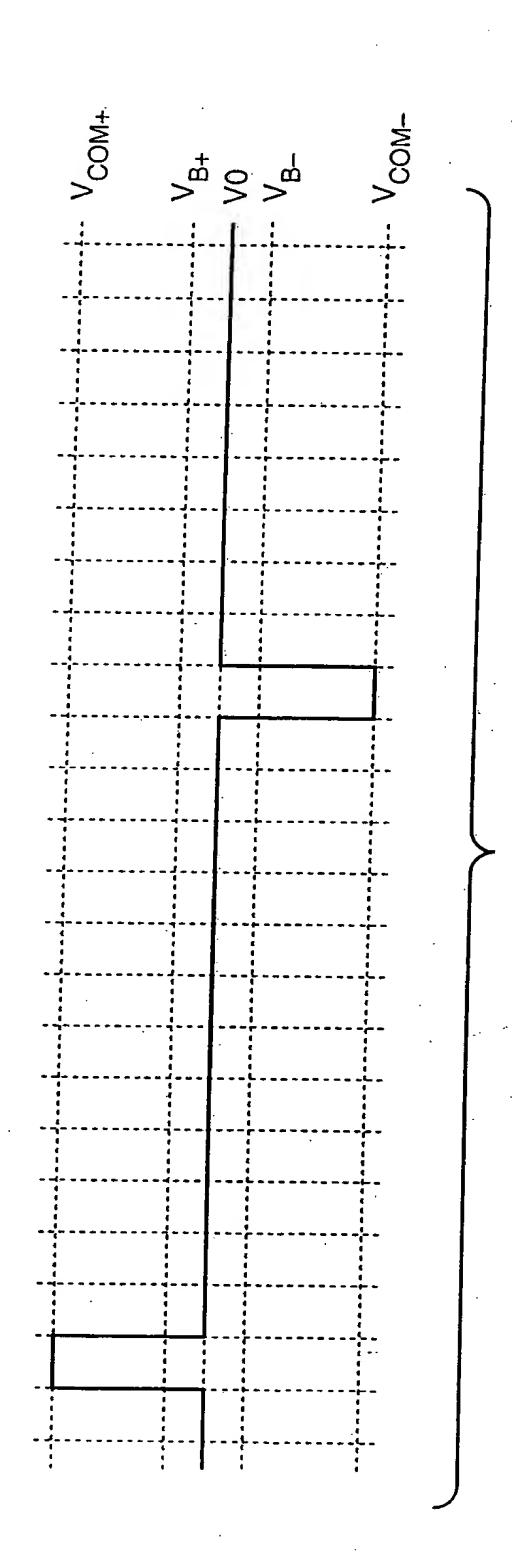
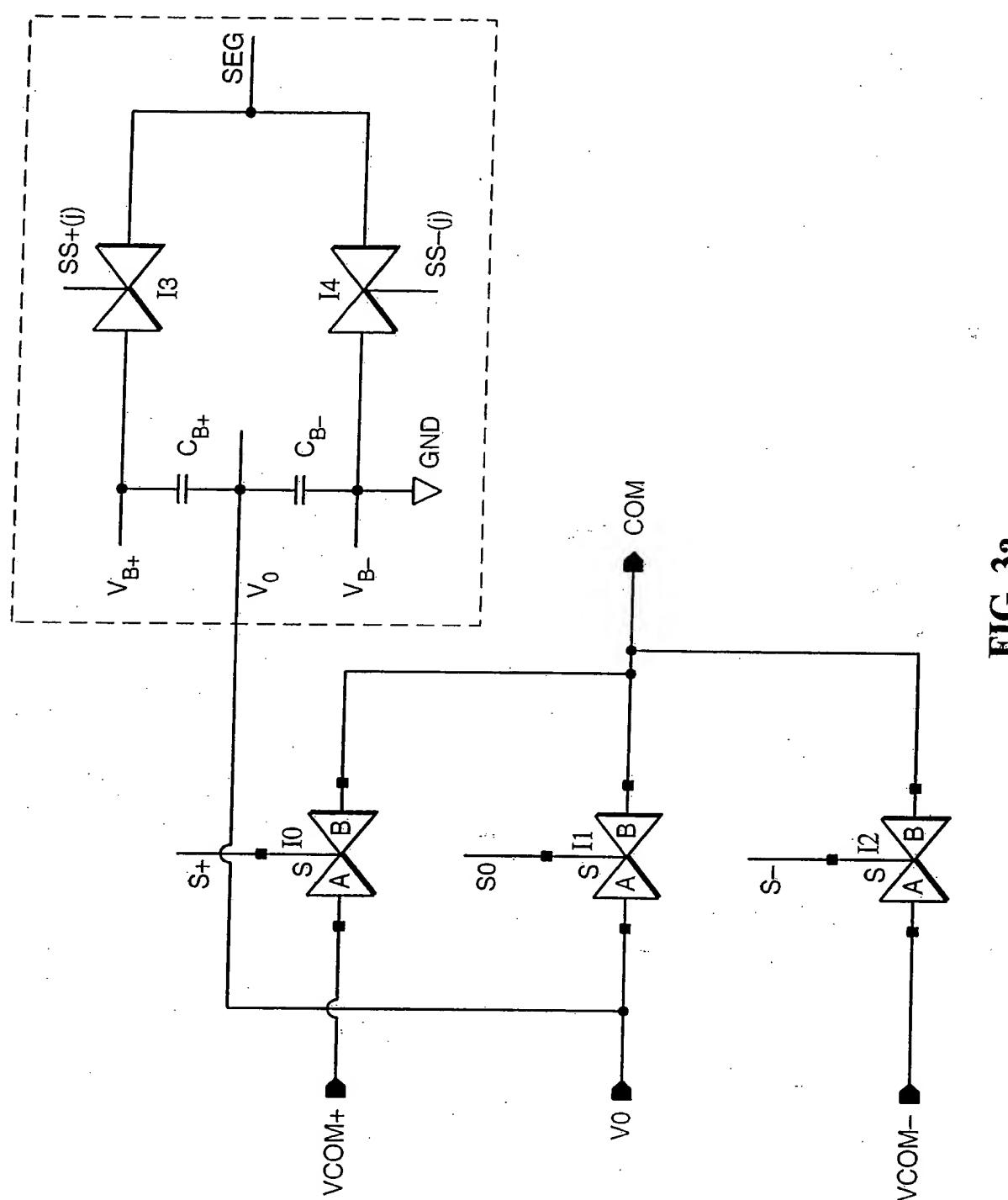


FIG. 2h

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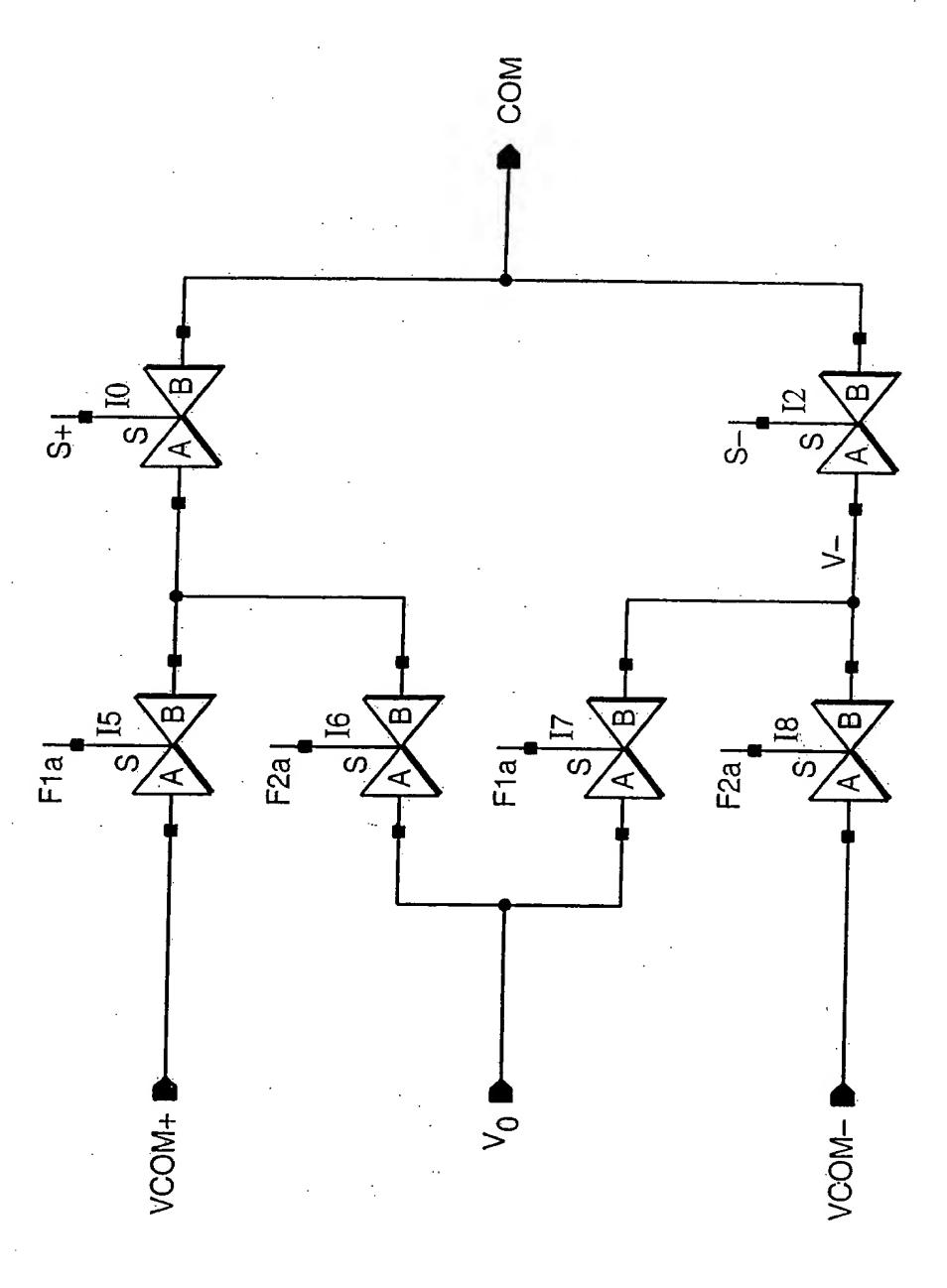


FIG. 3b

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Inventors: Jemm Y. Liang et al.
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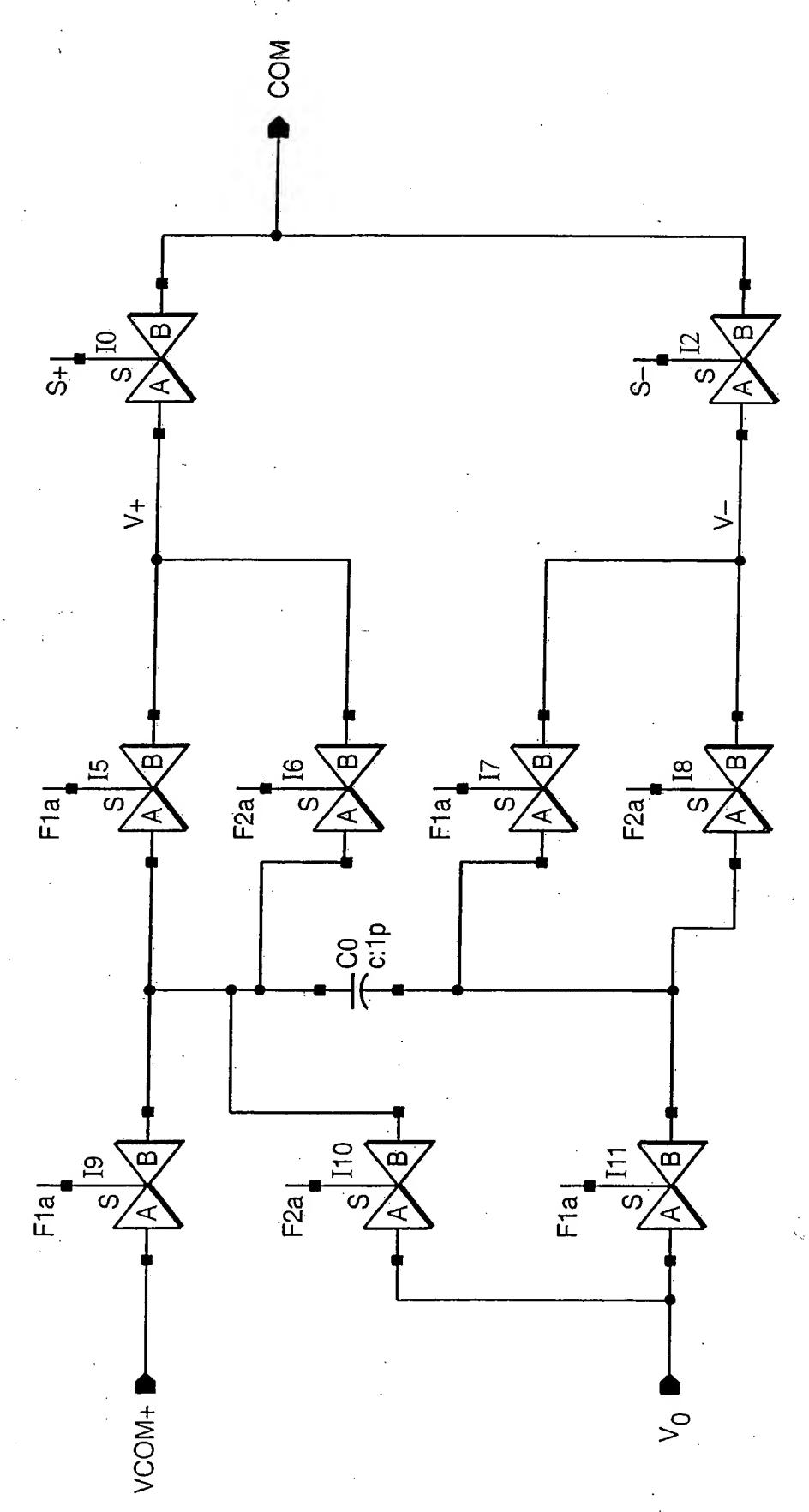
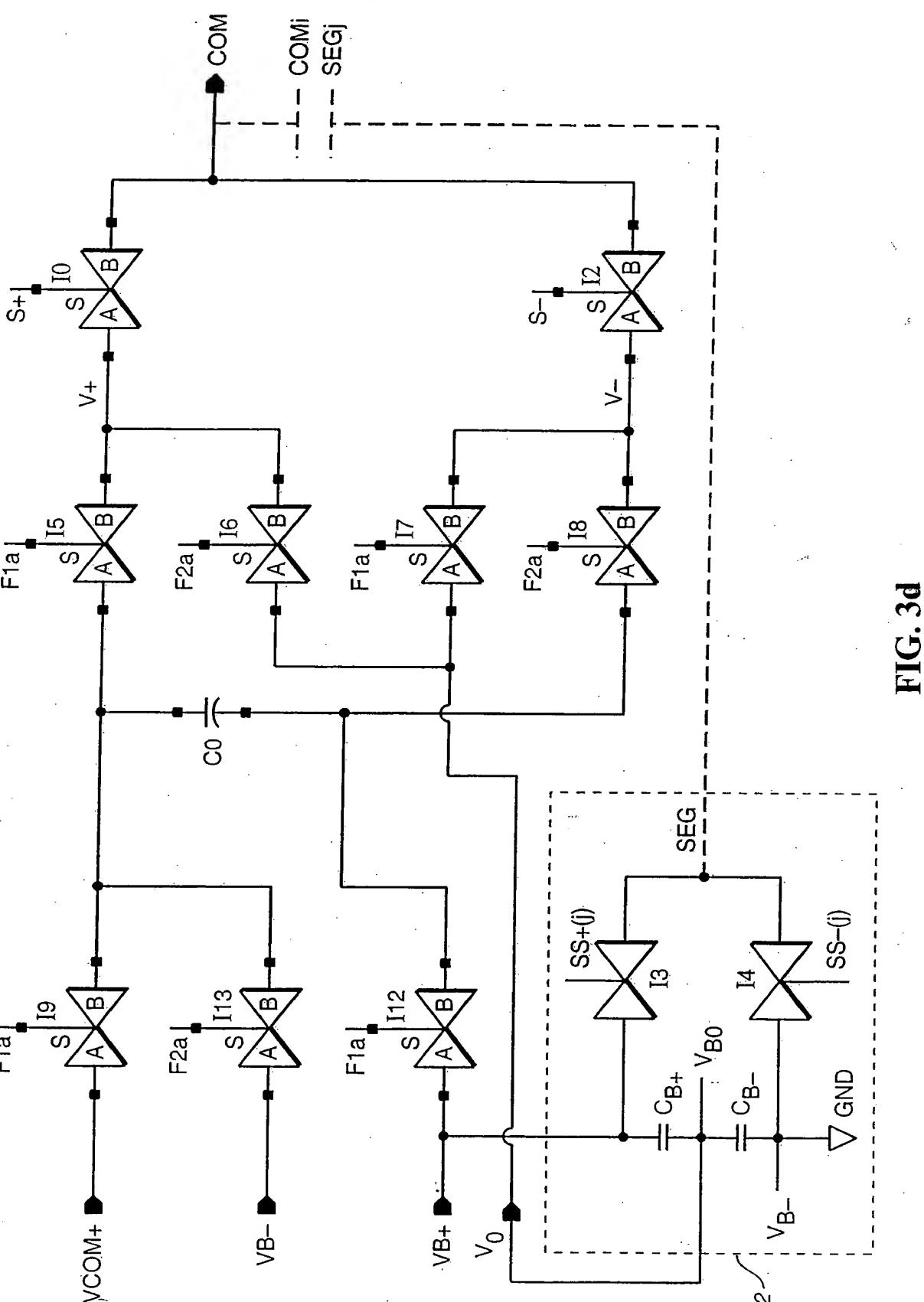


FIG. 3c

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Title: LED Driving System with Low Power Requirements Inventors: Jemm Y. Liang et al. Atty Docket: UTCI.003US1 F **REPLACEMENT SHEET 8 OF 12** JAN 1 2 2006 PARADEMARKOW 1 F2b GND VCOM V6 VC+ S V3 **BIAS** F<sub>1</sub>b V2 V1 COM F<sub>1</sub>b F2b **I23** F2b F<sub>1</sub>b **I22** C<sub>B+t</sub> F1b] F1b SS+(j)] I21 I20 I32 V5 VS+  $V_{BO}$ F2b F2b I19 SEGj F1b F1b F2b F2b SS-(j) I26 I18 VS-

FIG. 4a



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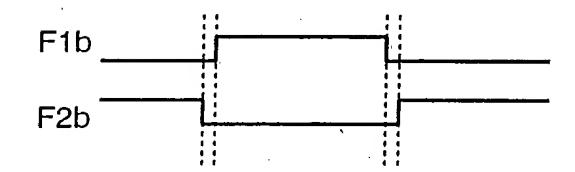


FIG. 4b

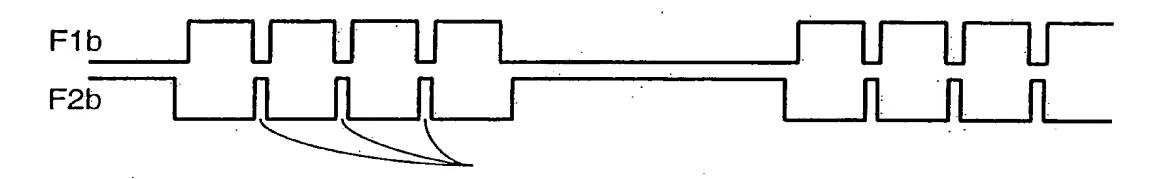


FIG. 4c

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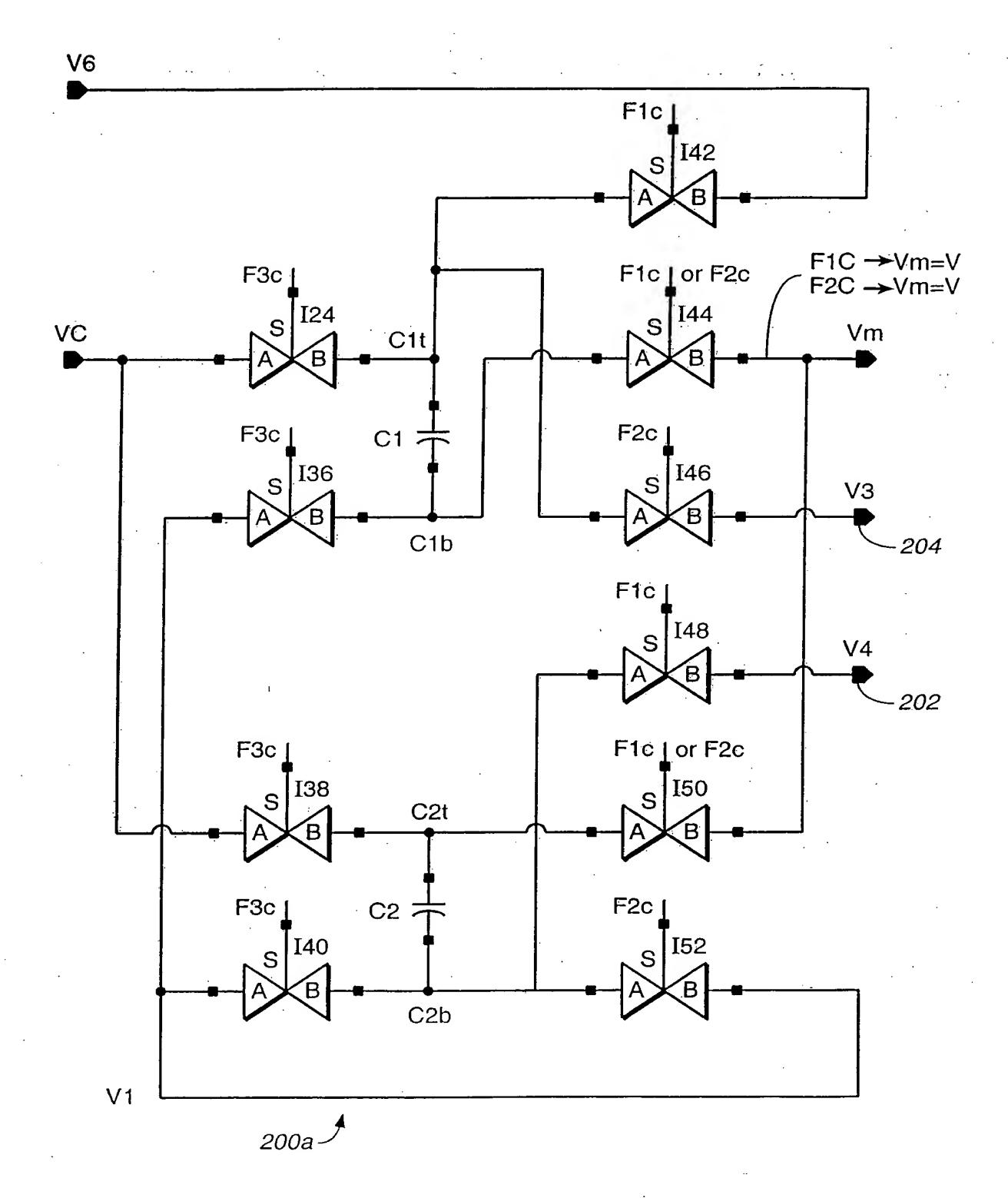


FIG. 5a

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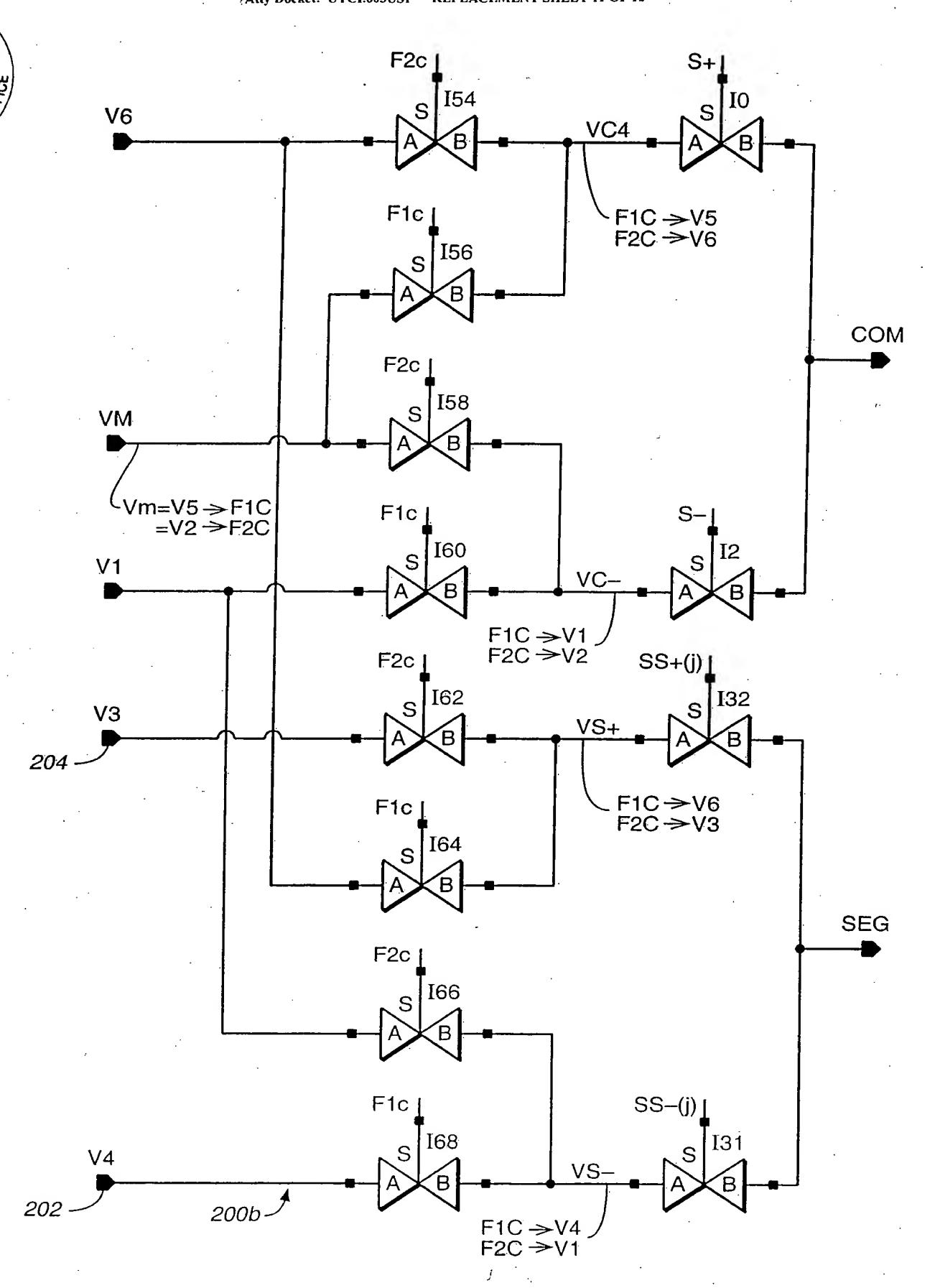


FIG. 5b

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